

WEST VIRGINIA DIVISION OF HIGHWAYS

WORKSHEET FOR CALCULATING MAXIMUM SPECIFIC GRAVITIES OF MIXTURES WITH DIFFERENT ASPHALT CONTENTS (G_{mm})

$$G_{mm} = \frac{P_{mm}}{\frac{P_s}{G_{se}} + \frac{P_b}{G_b}}$$

(P_{mm}) Total loose mixture, percent by total weight of mixture = 100 percent

| % Aggregate By Total Weight Of Mixture | Effective Specific Gravity of Aggregate | % Asphalt By Total Weight of Mixture | Specific Gravity of Asphalt | Maximum Specific Gravity of Paving Mixture $100 / [(P_s / G_{se}) + (P_b / G_b)]$ |
|--|---|--|--------------------------------|---|
| P_s | G_{se} | P_b | G_b | G_{mm} |
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*Note: Report the following values to the nearest thousandth (0.001):
 G_{se} , G_b , and G_{mm}*